

In the claims:

Please amend the claims as follows:

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~~Claims 1-4 (Cancelled).~~

Claim 5 (Currently Amended): A display system comprising:
a light-emitting device comprising a plurality of pixels, each of said plurality of pixels having at least an EL (electro-luminescent) element;
a sensor for obtaining an information signal of an environment;
a CPU (central processing unit) for converting an electrical signal supplied from said sensor into a correction signal; and
a voltage changer for controlling a corrected potential based on said correction signal, wherein said voltage changer is electrically connected to the EL element of each of the plurality of pixels via a switch.

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Claim 6 (Original): A display system according to claim 5, wherein said information signal comprises a user's living-body information.

Claim 7 (Original): A display system according to claim 5, wherein said light-emitting device, said sensor, said CPU and said voltage changer are formed on a same substrate.

Claim 8 (Currently Amended): A display system according to claim 5, wherein said light-emitting device is an EL (electro-luminescent) display device.

Claim 9 (Currently Amended): A display system according to claim 5, wherein said display system is incorporated in one selected from the group consisting of a video camera, a digital camera, a head-mount display, a car navigation system, a portable telephone, an image reproduction apparatus, a car audio equipment, and a personal computer.

Claim 10 (Currently Amended) A display system comprising:

a light-emitting device comprising a plurality of pixels, each of said plurality of pixels having:

at least an EL (electro-luminescent) element having two electrodes with an EL layer interposed therebetween; and

a current control TFT thin film transistor electrically connected to one of said two electrodes of said EL element; and

a voltage changer electrically connected to said EL element of each of said plurality of pixels via a switch,

wherein a potential applied to the other of said two electrodes of said EL element is controlled based on an information signal of an environment.

Claim 11 (Original): A display system according to claim 10, wherein said information signal comprises a user's living-body information.

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Claim 12 (Currently Amended): A display system according to claim 10, wherein said display system is incorporated in one selected from the group consisting of a video camera, a digital camera, a head-mount display, a car navigation system, a portable telephone, an image reproduction apparatus, a car audio equipment, and a personal computer.

Claim 13 (Currently Amended): An active matrix display device comprising:

a voltage changer;

a sensor for obtaining an information signal of an environment; and

a plurality of pixels, each of said plurality of pixels comprising:

at least one pixel thin film transistor over a substrate, said thin film transistor comprising at least an active layer, and a gate electrode adjacent to said active layer with a gate insulating film interposed therebetween; and

an EL (electro-luminescent) element comprising at least an EL layer between an anode and a cathode, one of said anode and said cathode being electrically connected to said active layer; and

a sensor for obtaining an information signal of an environment,

wherein:

a potential applied to another the one of said anode and said cathode that is not connected to said active layer is controlled based on an said information signal of an the environment by converting said information signal to a corrected potential, and

said voltage changer is electrically connected to said EL element of each of said plurality of pixels via a switch.

Claim 14 (Original): An active matrix display device according to claim 13, wherein said display device and said sensor are formed over a same substrate.

Claim 15 (Currently Amended): An active matrix display device according to claim 13, wherein said sensor comprises a CCD (charge-coupled device) or a photo-diode.

Claim 16 (Original): An active matrix display device according to claim 13, wherein said information signal comprises a user 's living-body information.

Claim 17 (Currently Amended): An active matrix display device according to claim 13, wherein said display device is incorporated in at least one selected from the group consisting of a video camera, a digital camera, a head-mount display, a car navigation system, a portable telephone, an image reproduction apparatus, a car audio equipment, and a personal computer.

Claim 18 (Currently Amended): An active matrix display device comprising:

a voltage changer;

a sensor for obtaining an information signal of an environment; and

a plurality of pixels, each of said plurality of pixels comprising:

at least one pixel thin film transistor over a substrate, said thin film transistor comprising at least an active layer, and a gate electrode adjacent to said active layer with a gate insulating film interposed therebetween; and

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an EL (electro-luminescent) element comprising at least an EL layer between an anode and a cathode, one of said anode and said cathode being electrically connected to said active layer; and

~~a sensor for obtaining an information signal of an environment,~~

wherein:

said information signal is converted to a corrected potential and said corrected potential is applied to ~~another~~ ~~the one of~~ said anode and said cathode ~~that is not connected to said active layer, and~~

~~said voltage changer is electrically connected to said EL element of each of said plurality of pixels via a switch.~~

Claim 19 (Original): An active matrix display device according to claim 18, wherein said display device and said sensor are formed over a same substrate.

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Claim 20 (Currently Amended): An active matrix display device according to claim 18, wherein said sensor comprises a CCD (charge-coupled device) or a photo-diode.

Claim 21 (Original): An active matrix display device according to claim 18, wherein said information signal comprises a user's living-body information.

Claim 22 (Currently Amended): An active matrix display device according to claim 18, wherein said display device is incorporated in at least one selected from the group consisting of a video camera, a digital camera, a head-mount display, a car navigation system, a portable telephone, an image reproduction apparatus, a car audio equipment, and a personal computer.

Claim 23 (Currently Amended): An active matrix display device comprising:

a voltage changer;

a sensor for obtaining an information signal of an environment; and

a plurality of pixels, each of said plurality of pixels comprising:

at least one pixel thin film transistor over a substrate, said thin film transistor comprising at least an active layer, and a gate electrode adjacent to said active layer with a gate insulating film interposed therebetween;

an EL (electro-luminescent) element comprising at least an EL layer between an anode and a cathode, one of said anode and said cathode being electrically connected to said active layer; and

~~a sensor for obtaining an information signal of an environment,~~

~~a CPU (central processing unit) for converting said information signal to a corrected signal;~~

~~a voltage changer for converting said corrected signal to a corrected potential,~~

~~wherein:~~

~~said corrected potential is applied to another the one of said anode and said cathode that is not connected to said active layer, and~~

~~said voltage changer is electrically connected to said EL element of each of said plurality of pixels via a switch.~~

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Claim 24 (Original): An active matrix display device according to claim 23, wherein said display device, said sensor, said CPU, and said voltage changer are formed over a same substrate.

Claim 25 (Currently Amended): An active matrix display device according to claim 23, further comprising an A/D (analog-to-digital) converter interposed between said sensor and said CPU, and a D/A (digital-to-analog) converter interposed between said CPU and said voltage changer.

Claim 26 (Currently Amended): An active matrix display device according to claim 23, wherein said sensor comprises a CCD (charge-coupled device) or a photo-diode.

Claim 27 (Original): An active matrix display device according to claim 23, wherein said information signal comprises a user's living-body information.

Claim 28 (Currently Amended): An active matrix display device according to claim 23, wherein said display device is incorporated in at least one selected from the group consisting of a video camera, a digital camera, a head-mount display, a car navigation system, a portable telephone, an image reproduction apparatus, a car audio equipment, and a personal computer.

Claim 29 (Currently Amended): An active matrix display device comprising:

a voltage changer;

a sensor for obtaining an information signal of an environment; and

a plurality of pixels, each of said plurality of pixels comprising:

at least one pixel thin film transistor over a substrate, said thin film transistor comprising at least an active layer, and a gate electrode adjacent to said active layer with a gate insulating film interposed therebetween; and

an EL (electro-luminescent) element comprising at least an EL layer between an anode and a cathode, one of said anode and said cathode being electrically connected to said active layer; and

a sensor for obtaining an information signal of an environment,

wherein:

a potential of another the one of said anode and said cathode that is not connected to said active layer is controlled by a corrected potential converted from said information signal, and

said voltage changer is electrically connected to said EL element of each of said plurality of pixels via a switch.

Claim 30 (Original): An active matrix display device according to claim 29, wherein said display device and said sensor are formed over a same substrate.

Claim 31 (Currently Amended): An active matrix display device according to claim 29, wherein said sensor comprises a CCD (charge-coupled device) or a photo-diode.

Claim 32 (Original): An active matrix display device according to claim 29, wherein said information signal comprises a user's living-body information.

Claim 33 (Currently Amended): An active matrix display device according to claim 29, wherein said display device is incorporated in at least one selected from the group consisting of a video camera, a digital camera, a head-mount display, a car navigation system, a portable telephone, an image reproduction apparatus, a car audio equipment, and a personal computer.

Claim 34 (Currently Amended): An active matrix display device comprising:
a voltage changer;

a sensor for obtaining an information signal of an environment; and
a plurality of pixels, each of said plurality of pixels comprising:

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at least one pixel thin film transistor over a substrate, said thin film transistor comprising at least an active layer, and a gate electrode adjacent to said active layer with a gate insulating film interposed therebetween;

an EL (electro-luminescent) element comprising at least an EL layer between an anode and a cathode, one of said anode and said cathode being electrically connected to said active layer; and

a sensor for obtaining an information signal of an environment,
a CPU (computer processing unit) for converting said information signal to a corrected signal, ;

a voltage changer for converting said corrected signal to a corrected potential,
wherein:

a potential of another the one of said anode and said cathode that is not connected to said active layer is controlled by said corrected potential, and

said voltage changer is electrically connected to said EL element of each of said plurality of pixels via a switch.

Claim 35 (Original): An active matrix display device according to claim 34, wherein said display device, said sensor, said CPU, and said voltage changer are formed over a same substrate.

Claim 36 (Currently Amended): An active matrix display device according to claim 34, further comprising an A/D (analog-to-digital) converter interposed between said sensor and said CPU, and a D/A digital-to-analog converter interposed between said CPU and said voltage changer.

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Claim 37 (Currently Amended): An active matrix display device according to claim 34, wherein said sensor comprises a CCD (charge-coupled device) or a photo-diode.

Claim 38 (Original): An active matrix display device according to claim 34, wherein said information signal comprises a user's living-body information.

Claim 39 (Currently Amended): An active matrix display device according to claim 34, wherein said display device is incorporated in at least one selected from the group consisting of a video camera, a digital camera, a head-mount display, a car navigation system, a portable telephone, an image reproduction apparatus, a car audio equipment, and a personal computer.